

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799385

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDSWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799385  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15D010 EU6159035 6LBMDSWMW  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

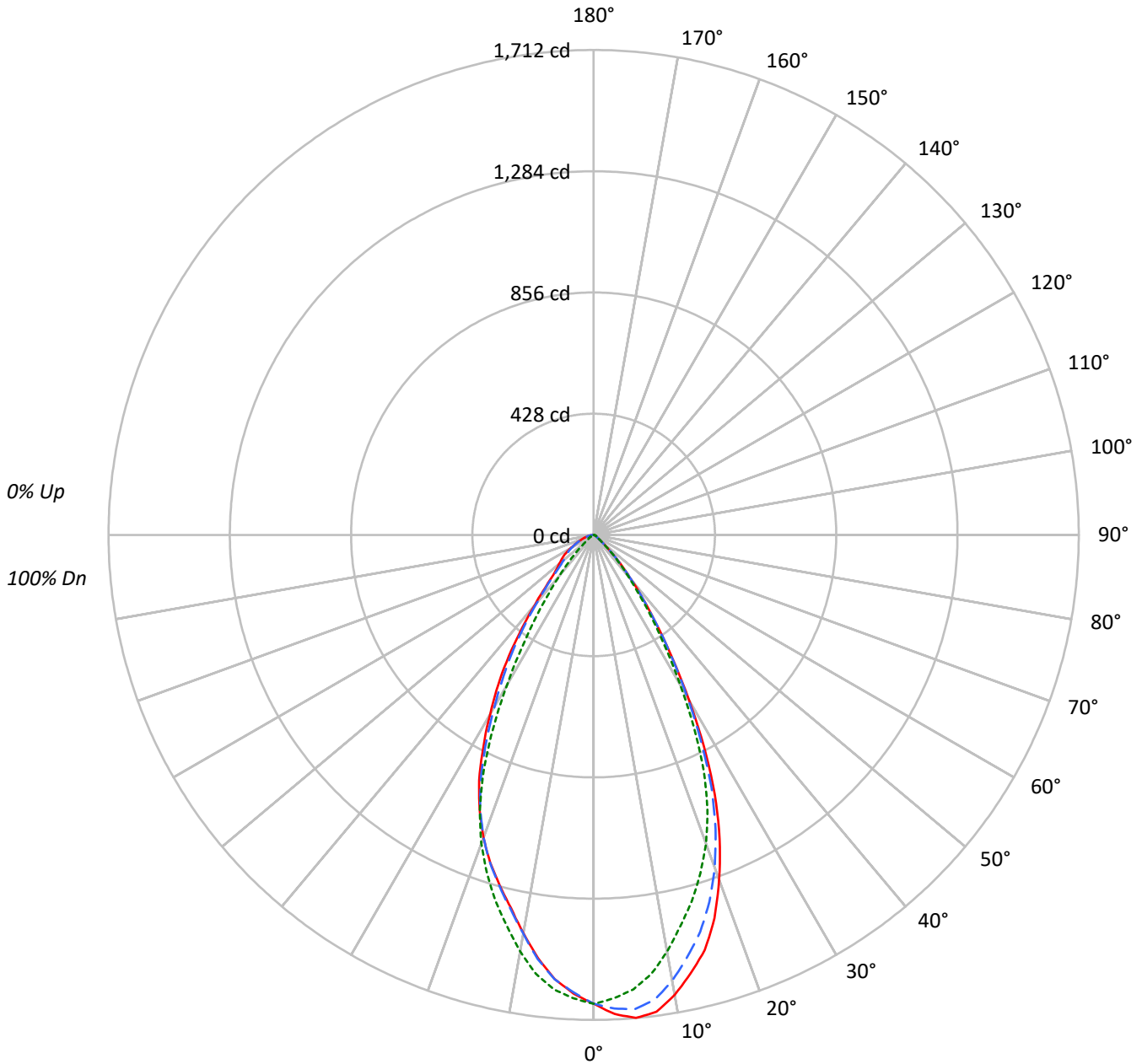
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1425.0 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	90733	90733	90733
5°	94183	88603	86600
10°	91776	83109	79452
15°	86073	75943	72662
20°	75560	67608	66313
25°	61116	55539	57832
30°	42488	38689	46286
35°	26187	23704	34934
40°	14821	13282	23201
45°	7195	6861	15831
50°	2738	2738	13458
55°	1501	1778	12425
60°	1096	1414	10175
65°	921	1206	8341
70°	801	1026	6860
75°	763	1059	5888
80°	442	916	4293
85°	440	1824	4026



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.5	10.6
10°-20°	380.8	26.7
20°-30°	428.7	30.1
30°-40°	265.5	18.6
40°-50°	105.7	7.4
50°-60°	48.1	3.4
60°-70°	27.7	1.9
70°-80°	13.1	0.9
80°-90°	3.8	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	961.1	67.4
0°-40°	1226.5	86.1
0°-60°	1380.4	96.9
0°-90°	1425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1655	1655	1655	1655	1655	
5°	1712	1680	1610	1575	1574	161
15°	1517	1451	1338	1284	1280	420
25°	1010	983	918	941	956	454
35°	391	389	354	493	522	251
45°	93	93	88	193	204	79
55°	16	15	19	114	130	16
65°	7	6	9	64	64	7
75°	4	4	5	27	28	4
85°	1	1	3	6	6	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1	1655.1
2.5°	1693.0	1677.3	1673.7	1660.1	1637.3	1624.4	1616.6	1610.8	1620.8
5°	1711.5	1694.4	1680.1	1652.3	1610.1	1586.6	1575.1	1565.9	1573.7
7.5°	1698.0	1673.7	1654.4	1615.8	1562.3	1525.9	1510.2	1499.5	1506.6
10°	1648.7	1619.4	1597.3	1551.6	1493.0	1449.5	1430.2	1420.2	1427.3
12.5°	1584.4	1560.2	1526.6	1476.6	1413.8	1368.1	1353.8	1345.9	1348.8
15°	1516.6	1488.0	1450.9	1400.9	1338.1	1292.4	1283.8	1278.8	1280.3
17.5°	1418.1	1390.2	1358.1	1309.5	1251.7	1214.6	1214.6	1211.0	1213.1
20°	1295.2	1280.3	1248.8	1208.1	1158.9	1125.3	1136.0	1132.5	1136.7
22.5°	1162.4	1151.0	1123.9	1090.3	1048.9	1022.5	1046.1	1045.3	1051.1
25°	1010.4	1001.8	983.2	954.7	918.2	901.8	941.1	941.1	956.1
27.5°	842.6	834.0	821.1	796.9	766.9	761.9	819.7	826.8	843.3
30°	671.2	665.5	658.3	636.2	611.2	620.5	700.5	712.6	731.2
32.5°	518.4	514.8	512.7	492.7	470.5	501.2	592.6	608.4	626.9
35°	391.3	383.4	389.1	374.2	354.2	392.7	493.4	507.0	522.0
37.5°	288.5	282.8	287.8	277.0	259.2	301.3	396.3	404.9	414.9
40°	207.1	202.1	206.4	199.9	185.6	224.9	310.6	319.9	324.2
42.5°	147.1	138.5	142.8	137.8	130.7	169.2	244.2	252.8	254.2
45°	92.8	90.0	92.8	90.0	88.5	125.7	192.8	200.6	204.2
47.5°	56.4	52.8	52.8	51.4	52.8	92.8	159.2	170.7	176.4
50°	32.1	30.7	30.0	29.3	32.1	72.8	137.8	150.7	157.8
52.5°	21.4	20.7	20.7	20.0	23.6	61.4	124.2	135.7	142.8
55°	15.7	15.0	15.0	15.0	18.6	52.8	114.2	123.5	130.0
57.5°	12.1	12.1	12.1	11.4	15.7	45.0	102.1	107.1	112.1
60°	10.0	9.3	9.3	9.3	12.9	38.6	87.8	90.0	92.8
62.5°	7.9	7.9	7.9	7.9	10.7	34.3	75.7	75.7	77.1
65°	7.1	6.4	6.4	6.4	9.3	30.0	63.5	62.8	64.3
67.5°	5.7	5.7	5.7	5.7	7.9	25.7	52.1	51.4	52.8
70°	5.0	5.0	5.0	5.0	6.4	21.4	42.1	41.4	42.8
72.5°	4.3	4.3	4.3	4.3	5.7	17.9	33.6	33.6	34.3
75°	3.6	3.6	3.6	3.6	5.0	13.6	27.1	27.1	27.8
77.5°	2.9	2.9	2.9	2.9	3.6	10.7	20.7	20.0	20.0
80°	1.4	2.1	2.1	2.1	2.9	7.9	15.0	13.6	13.6
82.5°	0.7	1.4	1.4	1.4	2.9	5.7	10.0	9.3	9.3
85°	0.7	0.7	0.7	2.1	2.9	4.3	6.4	6.4	6.4
87.5°	0.0	0.7	1.4	2.9	3.6	3.6	4.3	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)